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Genfore version 5 1 3
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OM protein - protein search, using sw model

Lanuary 16, 2003, 16 42 17 ; Search time 21 3571 Sectods (without alignments) 58 517 Million cell updates/sec Run on

US-09-856-070-19 65 Title: Perfect score:

1 KEPLMIPLONYPF 13 Sequence:

Gapop 10.0 , Gapext 0.5 BL0SmM62 Scoring table:

283224 segs, 96134422 residues Searched:

283224 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 1008 Maximum Match 1008 Listing first 45 summaries

Database :

PIR_73:* 1: pir1:* 2: pir2:* 3: pir3:* 4: pir4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result baing printed, and is derived by analysis of the total score distribution.

STIMMARIFS

		œ				
Result		Query				
. S	Score	Match	Match Length	E :	110	Description
7	65	100.0	581	a	145889	ezrin - bovine
7	65	100.0	586		A34400	
e	65	100.0	630	~	T47177	hypothetical prote
4	62	95.4	LC)		B41129	ezrin - mouse
rc	4 1	63.1		CI	142999	ethanolamine phosp
9	4.1	63.1	365	~	T37720	ethanolamine-phosp
7	40	61.5	α.r.c.	٥.	875,00	ABC transport prot
œ	○ †	6.	577	۰.	A41289	moesin - human
δ	0.4	61.5	577	-	839804	moesin - piq
10	40	6.1 5	583		A46127	٤.
11	40		η. α.	-	Sagans	radixin - piq
12	0.4	61.5	5 B B		A41129	radivir mouse
13	40		1263	c.	715496	hypothetical prote
14	39	C: C:9	550	C4	H84212	
15	σκ.	U U V	4 ⊃ ક	Ç1	1336340	alpha(1,3)-fucosyl
16	30	60 0	413	C4	731051	fransposaso lumolu
17	39	0.09	414	C1	C90364	transposase (SC133
18	39	0.09	£ 3 5:	C1	S75944	hypothetical prote
19	39	U U9	0 α α	c.	F75103	conserved hypothet.
O CI	38	(1) (1) (1)	9. 9.	C4	E96544	hypothetical prote
51	38	58.5	130	c a	H84133	hypothetical prote
C)	38	m. 80. m.	132	C 1	D90833	DNA packaging prot
23	38	မာ တ မာ	7.5	C a	E30300	probable DNA packa
₹	38	5.8	3.45	C1	F85690	hypothetical prote-
2.5	38	58 5	150	C4	47449	hypothetical trans
55	38	58.5	150	r a	AF2667	transcription requ
27	38	58.5	467	_	A49377	involucrin - mouse
C1	ထ က		623	C1	127499	hypethetical prote
on Ci	α) (*)	58.5	94.5	CI	100367	hypothetical profe

30 38 58.5 1058 2 565460 apolipoprotein B - 1058 2 125644 bypothetical protects of 2 122644 bypothetical protects of 2 122644 bypothetical protects of 2 122644 bypothetical protects of 2 1265798 bypothetical protects of 2 160 2	RESULT 1 145889 C.Species: Bos primigenius taurus (cattle) C.Species: Is an an osteoneetia, the form of the following the following the following the following precipitation and osteoneetia, two proteins associated with cell shape and growth, a A.Recession: 145889 A.Reference number: 145889	MESON: 2 A34400 eurin [calidated] - human eurin [calidated] - human Euric Control Capelers (man) Control Capelers
от мими миции чее фефе От пиме моргово От пиме фе	RESULT 1 146889 czrin - bo czpecies: C.Gerces: C.Catc. 15 C.Catc.	RESULT 2 834400 COTH [Call N) Alternation [Call N) Accession [Call N] Accession

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A.Cross references, EMBLANGO671, NID.9508B0; FibN:CAA4.006.1; FiD.4508B1
REGerton, M.; Burgess, W.H.; Chen, D.; Druker, H.J.; Hretscher, A.; Samelson, L.E.
I Teminol. 149, 1847-1852, 1992
A.Fille: Identification of ezrin as an 81-kDa tyrosine phosphorylated protein in T ce A.Reference number. A46501: MDID:92388649; PMID:1381389
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C:Comment: This protein is located in microvilli and is proposed to play a role in mo C:Seperfamily: erzh: protein 4.1 membrane-binding domain homology C:Keywords. actin binding, cytuskeleton, cytuskel; membrane-associated protein; phosph P:2-586/Product: ezrin #starus predicted *MATs.
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A;Residues, 53 57,148, E;150,78,152-155 <EG3>
A;Experimental source: MRL lpr/lpr, T-cells
A;Note: sequence extracted from NCBI backbone (NCBIP:112940)
C;Comment: This protein is located in microvilli and is propr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A:Molecule type: protein
A:Residues: 27-33, E' ZEG2>
A:Experimental Source - MRI [F./]pr. T-cells
A:Note: sequence extracted from NGB backbone (NCBIP:112936)
                                                                                                                                                                                                                                                                                                                                                                                                                                                  A:Experimental source: MRL lpr/lpr, T-cells
A:Note: sequence extracted from NCBI backbone (NCBIP:112938)
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A,Residues: 412-426 <EGE>
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A:Residues: 1-327 <YOS>
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A; Status: preliminary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A:Accession: A46501
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                        G.: Kasmussen, H.H.; Van Den Buleke, M.; Van Damme, J., Furpe, M., Gusser, B., G
                                                     Electrophoresis II, 528-536, 1990
A.Title: Two-dimensional gel electrophoresis, protein electroblotting and misrosequencia
A.Reterence number: A61002; MUID:91031404; PMID:1699755
                                                                                                                                                                                                                                                   A; Molecule type: protein A; Molecule type: protein A; Molecule type: protein A; Molecule type: 255-253; 194, 197, 196-199, 187, 250; 250 < Molecular and certain whether this material represents earin or radixin (see entry A A:Note: this material corresponds to transformed epithelial amnion cell (AMA) database protein is protein is located in microvilli and is proposed to play a role in modul C; Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Assence: GDB:VILZ
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CiDato: 20.Apr 2060 #Sequence_revision 20 Apr:2000 #*ext_change 02:Sep 2000
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A:Accession: 147177
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-640 < AAA>
A:Cross-references: EMBL:AL162086
A:Experimental source- adult melanoma (MeWo cell line), elece EKESp72H157
C:Genetics.
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E353-586/Region: actin binding #stätus predicted
E366/Binding site: phosphate (Ser) (covalent) #status predicted
E214.299.332/Binding site: phosphate (Thr) (colabor) #status predicted
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100.0%; Pred. No. 0.003;
Live 0: Mismatches 0; Indels
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C:Species: Mus musculus (house mouse)
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Arithe: Radixin is a movel member of the band 4.1 family.
A:Reletence number: A41129; MUID:92064635; PMID:1955455
A;Acression: B41129
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Matches 13; Conservative
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A;Residues: 1-586 <FUN>
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ethanclamine phosphate cytldylyltransferuse (EC 2.7.7.14) - fission yeast (achizosace
C.Species: Schizosaccharomyces pombe
C.Date: 03 Dec 1959 *sequence_revision 03-Dec-1959 *text_change 03-Dec-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ethanolamine phosphate cytidylyltransferase homolog fission yeast (Schizosaccharomy C)species: Schizosaccharomyees pombe C)species: Schizosaccharomyees pombe C, Lair 11 Jan. 2000 #sequence_revision il Jan. 2000 #secsion: 142999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              K.Yoshioka, S.; Kato, K.; Nakai, K.; Okayama, H.; Nojima, H.
DNA Res. 4, 363-369, 1997
Article: Identification of open reading frames in Schizosaccharomyres pombe cDNAs.
A:Reference number: 217323; MUID:98162722; PMID:9501991
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O
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A:Cross-references: EMBL:DB9199; NID:g1749605; PIDN:HAA13860.1; PID:g1749606
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                                                                                                                                                                                                                                                                                                  Gaps
F:7-291/Domain: protein 4.1 membrane-binding domain homology -B41>
F:553-586/Region: actin binding #status predicted
F:66/Binding site: phosphate (SeT) (covalent) #status predicted
F:214,299,332/Binding site: phosphate (Thr) (covalent) *status predicted
                                                                                                                                                                                         95.4%; Score 62; DB l; Length 586; 92.3%; Pred, No. 0.009; 0, indels.ive l. Mismatches 0, indels.
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Gaps

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C.Comment. Mocsit is proposed to be involved in inking the cytoskereton to the piasm C.Superfamily: ezrin; protein 4.1 membrane-binding domain homology
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Affille: Molecular cloning, CDNA Sequence, and chromosomal assignment of the human ra
A:Peference number: A46127; MUID:93252378; PMID:8486357
A;Accession: A46127
           C. Comment. Mousin is proposed to be involved in linking the eytoskeleton to the piasm
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A:Note: sequence extracted from NCBI backbone (NCBIN:131481, NCBIP:131482)
C.Comment. Radixin is a capping protein for the barbed end of actin filaments and it
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CiSpecies: Home sapiens (man)
Cirate. 2] Septiga? #sequence_revision [4-Jul-1994 #text_change 22-Jun-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C.Species: Sus scrofa domestica (domestic pig)
C.Date: 19 May-1994 #sequence_revision 14-Jul-1991 #text_ehange 22-Jun-1999
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F.2-577/Product: moesin #status predicted <MAT>
F.7-291/Domain: protein 4.1 membrane-binding domain homology <B41>
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                                                                                                                                                                                                                                                                                                                                                                                                                             61.5%, Score 40; DB 1; Length 577:
69.2%; Pred. No. 50;
ative 1, Mismatches 3; Indels
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A.Cross:teterenres GDB 136270, OMIM:179410
                                                                                      A;Gene: GDB:MSN
A;Cross-references: GDB:136819; OMIM:309845
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Hest Local Similarity 69.55
1. Conservative
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                                                                                                                                                                 A; Map position: Xq11.2-Xq12
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Hest Local Similarity
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A; Pesidues: 1-577 <LAN>
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C.Species: Synechocystis sp
C.Species: Synechocystis sp
C.Just: 25.Apr.1997 *Sequence_revision 25.Apr.1997 *text_change 02.Feb 2001
C.Accession: $75100
C.Accession: $75100
C.A.C. Sato, S.; Kotani, H.; Tanaka, A.; Asamizu, E.; Nakamura, Y.; Miyajima, N.;
C. A.; Okumura, S.; Shimpo, S.; Takeuchi, C. Wada, T.; Watanabe, A.; Yamada, M.; Yasuda
DNA Res. 3, 109-136, 1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Affitle: Sequence analysis of the genome of the unicellular cyanobacterium Synechocystin
                                                                                                                                                                                                                            AjResidues: 1385 kMJR.
AjCross-references: EMRE-All09770; PitherAM52424 I; CSHERGINGGGEG; SIGBESEANTSET GFG
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Cispecies: Homo sapiens (man)
Cispecies: Homo sapiens (man)
Cispecies: More Ad1289
Cigarression: Ad1289
Cigarression: Ad1289
Cigarression: A BB, 8297-8301, 1991
A;Title: Moresin: a member of the protein 4.1-talin-czrin family of proteins. A;Reterence number: Ad1289; MUID: 52020840; FMLb: 1524289
A;Moreesion: Ad1289
A;More Salor Ad1289
A;More Salor Ad1289
A;More Salor Ad1289
A;More Salor Ad1289
A;Coss references GH M6966; NIP: 9188625; FIEN: AAB43522: 1: P:D: 9188625
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           Price, M. H.
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       · Harris ') : Harrell, R G · Pajandream, W A
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AJAccession: $75100
AJStatus: preliminary
R:Murphy, 1 - Warris D.; Marris, N.G. - Bajandroum, submitted to the EMBL Data Library, August 1999
A:Reference number: 221739
A:Accession: T97720
A:Accession: T97720
A:Status: preliminary: translated from GB/EMRL/DDRI
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Pred. No. 21;
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                                                                                                                                                                                                                                                                                                       A:Experimental source: strain 972h-- cosmid c15El
C;Genetics:
A:Gene: SPDB:SPAC15El.05c
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A,Introns: 23/1
C:Keywords: nucleotidy!transferase
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61.5%;
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es 8; Conservative
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Best Local Similarity 66.79
Matches 8; Conservative
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Best Local Similarity
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A; Residues: 1 250 <STO>
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A;Gene: CESP:C14F5.3
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                              RESULT 13
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Biochim, Biophys, Acta 1216, 479-482, 1993
Azilite: Cloning and sequencing of portrine moestn and radixin constant identification of
Aziletence number: 839804, MULL:94092243; PMID:8268231
Azketession: 839808
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A: Ittle: Radixin is a novel member of the band 4.1 family.
A:Reterence number: A41129; MUID:92064635; PMID:1955455
A:Reterence number: A41129; MUID:92064635; PMID:1955455
A:Reterence number: A41129; MUID:92064635; PMID:1955456
A:Residues: 1.583 «FUN»
A:Residues: 1.583 «FUN»
A:Residues: 1.583 «FUN»
A:Residues: 1.583 «FUN»
C:Reterences: EMBLE:R6672; NID:91034049; PID:91334260
A:Roite: part of this sequence was confirmed by protein sequencing
C:Comment: Radixin is a capping protein for the barbad end of actin filaments and it is
C:Superlamily: ezrin; protein 4.1 membrane-binding domain homology
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A Accession: $49805
A, Molecule type: mRNA
A, Residues: 1-58 < LANA
A: Cross references: GB: MB6444; EMHL:M86391; NID:g164585; PIDN:AAB02865.1; PID:g164586
C, Comment: Kadixin is a capping protein for the barbed end of actin filaments and it is
C; Superfamily: czrin; protein 4.1 membrane binding domain homology
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C.Date: 03-Ang-1992 #sequence_revision 14 Jil:1994 #text_change 05:Sep:1997
C.Arcession: A41129; S44201
R.Funayama, N.; Nagafichi, A., Sato, N., Tsukita, S., Tsukita, S.
                                                                                                                                                                                                                                                                                                                                                                                                                        C:Species: Sus scrofa domestica (domestic pig)
C:Dale: 19-May-1994 #sequence_revision 14 Jul-1994 #text_change 22-Jun-1999
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E:7-291/Domain: protein 4.1 membrane-binding domain homology <B41>
E:470-477/Keqion: proline-rich
E:7 291/Domain: protein 4 1 membrane-binding domain homology <B41>
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F;7-291/Domain: protein 4.1 membrane-binding domain homology <B41>
F;470-477/Keqion: proline-rich
F;550-583/Keqion: actin binding *status predicted
                                                                                                   Score 40; DB 1; Length 583;
Pred. No. 51;
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64.2%; Pred No. 51;
live 1: Mismatches
                                                 P;550-583/Region: actin binding #status predicted
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1; Mismatches
                                                                                                                                                             1; Mismatches
                                                                                                best Local Similarity 69.2%;
Matches 9; Conservative 1
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Cyaccessión. 184212

B:Ng. W V : Kennedy. S P.: Mahairas, G G: Berquist, B.: Pan, M.: Shikla, B.D.: Lacky

Leibhauser, B.: Keller, K.: Cruz, R.: Danson, M.J.: Hough, D.W.: Maddocks, D.G.: Ja

Jung, K.H.: Alam, M.: Prettas, T.

Proc. Natl. Acad. Sci. U.S.A. 97, 12176-12181, 2000

A:Authors: Hou, S.: Daniels, C.J.: Dennis, P. D.: Omer. A.D.: Ebhardt, H.: Lowe, T.M.:

A:Title: Genome sequence of Halobacterium species NRC 1.
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C;Date: 20-Apr-2000 #sequence_revision 20-Apr 2000 #text_chance 20 Apr-2000
C;Date: 20-Apr-2000 #sequence_revision 20-Apr 2000 #text_chance 20 Apr-2000
C;Accession = 183540; A40976; A41202
CGI 63, 1349-1356, 1990
CGI 63, 1349-1356, 1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A/Residues: 1-1263 <MIN>
A/Cross-references: EMBL:U29082; NID:q861384; PID:q861386; PIDN:AAA68402.1; CESP:C14F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21/3) 34 2. 74/72. PS272 PS172 PS172 PS2/3 PS7/4 (PS7/2) 1/4() (1/4/2) 1/40/9/11/2
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N/Alternate names: CD15; ELAM-1 ligand fucosyltransferase (ELFT); FCF3A; FUC-H1V; mye
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A, Cross reterences GB.AEC04437, NID 910580146, PIDN.AAG19068.1; GSPDB.GNU0138
                                        CiSpecies: Caenorhabditis elegans
C.Date - 20:Sep-1999 #Sequence_regision 20 Sep-1999 #text_chane 20:Sep-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                hypothetical protein Vng0546c [imported] - Halobacterium sp. NRC-1
C/Species: Halobacterium sp. NRC-1
C/Date: p2 Peb_2001 #sequence_revision 02-Peb-2001 #text_change 16 Feb-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Gaps
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A;Accession: B36340
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Pred. No. 31;
2; Mismatches 2, Indels
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                                                                                                                                                           R.Minx, P. submitted to the EMHL Data Library, June 1995 submitted to the EMHL Data Library, June 1995 A.Roscription: The sequence of C. elegans cosmid C14F5, A.Reference number: 218361 A.Recession: T15496 A.Stalus: preliminary; translated from GB/EMBL/DDBJ A.Molecule type: DNA
hypothetical protein C14F5.3 - Caenorhabditis elegans
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61.5%; Pred. No. 1.1e+02;
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A; Molecule type: mRNA
A; Residues: 1405 - 305E1.
A, CT--88 - 1405 - 305E1.
A, CT--88 - 1405 - 305E1.
A, Accession A3030
A; Residues: WRPLWARRERSAWEREWARREGARASSERTAPTP, 'SURGIFFANDEMASMETHLUSAGE
A; CTO-88 - references: GB: MS8597; NID; 4182070; PIDN: AA63173.1; PID: 4182071
A; Residues: WRPLWARRERSAWEREWARREGARASSERTAPTP, PID: 4182071
A; Note: the codon used as an initiator of this translation is not in a good context for R; Lowe, JB: X KUKWARREA and Initiator of this translation is not in a good context for R; Lowe, JB: X KUKWARREA and Initiator of this of the codon used as an initiator of the property of the codon used as an initiator of the property of the codon used as an initiator of the codon used as a formal fucusyltransferase gene that encodes ELFT but doe A; Residues: 186, PP, 88 405 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 - 4000 
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C:Keywords: glycoprofein: glycosylfransferase; hexosyltransferase
F:149-405/Product: alpha(1,3)-fuccsyltransferase 4 *status predicted <MAI>F:91,190/Binding site: carbohydrate (Asn) (covalent) *status predicted
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Pred. No. 52;
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Best Local Similarity 66.7%;
Matches 8; Conservative
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